

Docket No. F-8020

Scr. No. 10/699,296

**AMENDMENTS TO THE CLAIMS:**

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

1-8. (Cancelled)

9. (New) A soy milk coagulating device comprising:

a coagulation vessel with an internal volume of 1,000 cc or less;

two electrode plates facing each other to form a pair in the vessel;

and

a power feed controlling mechanism for controlling electricity

fed to the electrode plates,

wherein the power feed controlling mechanism has a temperature sensor attached to a side wall or the bottom of said coagulation vessel and is composed of a tofu control system, a yuba control system and switching means, the tofu control system being provided to heat soy milk to a set temperature at an average heating rate of not faster than 8 °C per minute, the yuba control system being provided to heat soy milk to a set temperature without imposing any limitation on the heating rate, and the switching means being provided to switch between said two control systems.

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10. (New) A soy milk coagulating device according to claim 9, wherein the temperature sensor is attached to a side wall or the bottom of the coagulation vessel without being exposed on the inner surface of said coagulation vessel.

11. (New) A soy milk coagulating device according to claim 10, wherein the temperature sensor is fastened to a small thin piece of metal attached to the inner surface of said coagulation vessel.

12. (New) A soy milk coagulating device according to claim 10, wherein the temperature sensor is composed of a heat transfer plate, a thermocouple and a pressurizing mechanism, the heat transfer plate being disposed in face-to-face contact with a small thin piece of metal attached to the inner surface of said coagulation vessel, the thermocouple being fastened to the heat transfer plate, and the pressuring mechanism being provided to bring the heat transfer plate and the small thin piece of metal into contact with each other.

13. (New) A soy milk coagulating device according to claim 11, wherein the surface of the small thin piece of metal is coated with a heat-conductive insulating film.

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14. (New) A soy milk coagulating device according to claim 12, wherein the surface of the small thin piece of metal is coated with a heat-conductive insulating film.

15. (New) A soy milk coagulating device comprising:  
a coagulation vessel with an internal volume of 1,000 cc or less;  
two electrode plates facing each other to form a pair in the vessel;  
and  
a power feed controlling mechanism for controlling electricity fed to the electrode plates,  
wherein the power feed controlling mechanism has a temperature sensor attached to a side wall or the bottom of said coagulation vessel and is composed of a tofu control system, a yuba control system and switching means, the tofu control system being provided to heat soy milk to a set temperature at an average heating rate of faster than 8 °C per minute and not faster than 15 °C per minute and keeps the heated soy milk at the set temperature for at least 5 minutes, the yuba control system being provided to heat soy milk to a set temperature without imposing any limitation on the heating rate, and the switching means being provided to switch between said two control systems.

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16. (New) A soy milk coagulating device according to claim 15, wherein the temperature sensor is attached to a side wall or the bottom of the coagulation vessel without being exposed on the inner surface of said coagulation vessel.

17. (New) A soy milk coagulating device according to claim 16, wherein the temperature sensor is fastened to a small thin piece of metal attached to the inner surface of said coagulation vessel.

18. (New) A soy milk coagulating device according to claim 16, wherein the temperature sensor is composed of a heat transfer plate, a thermocouple and a pressurizing mechanism, the heat transfer plate being disposed in face-to-face contact with a small thin piece of metal attached to the inner surface of said coagulation vessel, the thermocouple being fastened to the heat transfer plate, and the pressuring mechanism being provided to bring the heat transfer plate and the small thin piece of metal into contact with each other.

19. (New) A soy milk coagulating device according to claim 17, wherein the surface of the small thin piece of metal is coated with a heat-conductive insulating film.

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20. (New) A soy milk coagulating device according to claim 18, wherein the surface of the small thin piece of metal is coated with a heat-conductive insulating film.

21. (New) A soy milk coagulating device comprising:  
a coagulation vessel with an internal volume of 1,000 cc or less;  
two electrode plates facing each other to form a pair in the vessel;  
and  
a power feed controlling mechanism for controlling electricity fed to the electrode plates,

wherein the power feed controlling mechanism has a temperature sensor attached to a side wall or the bottom of said coagulation vessel and is composed of a tofu control system, a yuba control system and switching means, the tofu control system being provided to heat soy milk to a set temperature at an average heating rate of not faster than 8 °C per minute, the yuba control system being provided to heat soy milk to a set temperature without imposing any limitation on the heating rate, and the switching means being provided to switch between said two control systems, and said tofu control system has a relay control function to cut off power feed to the electrode plates during temperature measurement.

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22. (New) A soy milk coagulating device comprising:

a coagulation vessel with an internal volume of 1,000 cc or less;

two electrode plates facing each other to form a pair in the vessel;

and

a power feed controlling mechanism for controlling electricity

fed to the electrode plates,

wherein the power feed controlling mechanism has a temperature sensor attached to a side wall or the bottom of said coagulation vessel and is composed of a tofu control system, a yuba control system and switching means, the tofu control system being provided to heat soy milk to a set temperature at an average heating rate of faster than 8 °C per minute and not faster than 15 °C per minute and keeps the heated soy milk at the set temperature for at least 5 minutes, the yuba control system being provided to beat soy milk to a set temperature without imposing any limitation on the heating rate, and the switching means being provided to switch between said two control systems, and said tofu control system has a relay control function to cut off power feed to the electrode plates during temperature measurement.